

CARSON RIVER BASIN, MIDDLE CARSON RIVER BASIN

10311300 EAGLE VALLEY CREEK AT CARSON CITY, NV

LOCATION (REVISED).--Lat 39°09'54.99", long 119°43'20.01" referenced to North American Datum of 1983, in SE 1/4 NW 1/4 sec. 15, T.15 N., R.20 E., Carson City County, Hydrologic Unit 16050202, on right bank, 1,100 ft downstream from North Edmonds Drive, and 1.1 mi south of intersection with U.S. Highway 50.

DRAINAGE AREA.--34.4 mi².

PERIOD OF RECORD.--January 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,620 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges and period August 11 to September 30, which are poor. Flows prior to September 1986 included effluent discharge from Carson City Water Treatment Plant. See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,110 ft³/s, February 19, 1986, gage height, 8.85 ft; maximum gage height, 9.32 ft, January 2, 1997; no flow at times, some years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 68 ft³/s, February 25, gage height, 6.06 ft; minimum daily discharge, 0.00 ft³/s, on several days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.03	0.23	0.63	2.4	0.77	0.62	0.37	0.26	0.33	0.08	0.01	e0.10
2	0.03	0.24	0.64	2.2	1.1	2.5	0.37	0.25	0.36	0.12	0.00	e0.11
3	0.03	0.27	0.64	1.0	1.7	0.69	0.37	0.27	0.34	0.12	0.00	0.08
4	0.03	0.30	0.63	0.94	0.90	0.53	0.37	0.26	0.32	0.07	0.00	0.09
5	0.06	0.27	0.69	1.0	0.83	0.48	0.36	0.24	0.30	0.04	0.03	0.11
6	0.06	0.27	0.68	0.97	0.89	0.45	0.35	0.25	0.33	e0.03	0.01	0.05
7	0.06	0.31	4.0	1.0	1.4	0.42	0.35	0.27	0.29	e0.03	0.01	0.03
8	0.05	0.33	0.91	1.1	0.95	0.40	0.37	0.25	0.32	e0.03	0.00	0.06
9	0.05	3.9	0.80	0.99	0.74	0.42	0.36	0.24	0.38	e0.03	0.00	0.07
10	0.04	0.63	2.2	0.97	0.68	0.44	0.42	0.23	0.38	e0.03	0.00	0.04
11	0.04	0.47	1.4	0.96	0.68	0.43	0.43	1.5	0.40	e0.03	0.00	0.07
12	0.04	0.45	0.98	0.94	0.66	0.42	0.35	0.65	0.41	e0.03	0.00	0.07
13	0.05	0.50	0.87	0.99	0.69	0.45	0.34	0.54	0.31	e0.03	0.00	0.08
14	0.07	0.49	10	1.0	0.73	0.40	e0.34	e0.20	0.34	e0.03	0.07	0.05
15	0.08	0.53	2.3	1.0	0.75	0.38	e0.34	e0.20	0.32	e0.03	0.59	0.13
16	0.06	0.56	0.87	0.94	0.81	0.39	e0.34	e0.20	0.29	e0.03	0.80	0.09
17	0.06	0.50	0.80	0.94	0.89	0.39	e0.34	e0.20	0.29	e0.03	0.00	0.06
18	0.10	0.53	0.74	0.95	3.2	0.44	e0.34	e0.20	0.26	e0.03	0.00	0.04
19	0.14	0.53	0.72	0.94	0.89	0.46	e0.34	e0.20	0.16	e0.03	0.00	0.03
20	0.15	0.54	0.61	5.3	0.63	0.43	e0.34	e0.20	0.11	e0.03	0.11	0.03
21	0.10	0.53	1.5	2.7	0.71	0.39	e0.34	e0.20	0.10	e0.03	0.13	0.03
22	0.07	0.54	0.80	0.84	0.74	0.40	0.35	e0.20	0.11	e0.03	0.16	0.03
23	0.06	0.53	0.76	0.74	0.78	0.42	0.34	e0.20	0.17	e0.03	0.16	0.03
24	0.05	0.56	6.2	0.77	0.85	0.41	0.32	e0.20	1.3	e0.03	e0.10	0.04
25	0.07	0.58	5.3	0.79	15	0.41	0.30	0.43	0.27	e0.03	0.15	0.06
26	0.11	0.57	1.3	0.74	12	0.81	0.29	0.45	0.12	e0.03	0.06	0.07
27	0.14	0.58	0.91	0.80	1.8	0.37	0.29	0.40	0.08	0.03	e0.10	0.08
28	0.15	0.59	0.80	0.77	0.56	0.34	0.28	1.1	0.09	e0.03	e0.10	0.08
29	0.18	0.62	4.1	0.74	0.49	0.34	0.28	0.60	0.10	e0.03	e0.10	0.10
30	0.14	0.63	7.2	0.75	---	0.34	0.27	0.43	0.10	0.03	e0.10	0.09
31	0.17	---	2.1	0.76	---	0.37	---	0.35	---	0.02	e0.10	---
TOTAL	2.47	17.58	62.08	36.93	52.82	15.74	10.25	11.17	8.68	1.20	2.89	2.00
MEAN	0.08	0.59	2.00	1.19	1.82	0.51	0.34	0.36	0.29	0.04	0.09	0.07
MAX	0.18	3.9	10	5.3	15	2.5	0.43	1.5	1.3	0.12	0.80	0.13
MIN	0.03	0.23	0.61	0.74	0.49	0.34	0.27	0.20	0.08	0.02	0.00	0.03
AC-FT	4.9	35	123	73	105	31	20	22	17	2.4	5.7	4.0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2004, BY WATER YEAR (WY)

MEAN	1.32	2.27	3.99	8.36	9.76	5.91	2.29	1.73	1.74	0.64	0.55	1.02
(WY)	(1987)	(1987)	(1997)	(1997)	(1986)	(1986)	(1986)	(1986)	(1986)	(1986)	(1986)	(1987)
MAX	11.8	7.98	25.4	81.9	91.9	24.5	11.5	9.20	9.67	5.52	3.84	5.52
MIN	0.04	0.24	0.25	0.25	0.42	0.35	0.15	0.17	0.05	0.02	0.01	0.00
(WY)	(2003)	(1991)	(1995)	(1994)	(1991)	(1988)	(1994)	(1992)	(2002)	(1988)	(1988)	(2002)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1985 - 2004
ANNUAL TOTAL	266.36	223.81	
ANNUAL MEAN	0.73	0.61	3.16
HIGHEST ANNUAL MEAN			15.7
LOWEST ANNUAL MEAN			0.42
HIGHEST DAILY MEAN	24	Apr 13	1986
LOWEST DAILY MEAN	0.01	Jul 2	1991
ANNUAL SEVEN-DAY MINIMUM	0.01	Jul 2	0.00
MAXIMUM PEAK FLOW			0.00
MAXIMUM PEAK STAGE			Jul 1, 1988
ANNUAL RUNOFF (AC-FT)	528	444	1,110
10 PERCENT EXCEEDS	1.0	0.98	Feb 19, 1986
50 PERCENT EXCEEDS	0.49	0.34	7.1
90 PERCENT EXCEEDS	0.01	0.03	0.43
			0.06

e Estimated